



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460


Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Director: OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date September 16, 2015	EPA Reg. No./File Symbol: 74712-L	Page 1 of 4
Applicant's/Registrant's Name & Address: Special Materials Company 70 West 40th Street, 2nd Floor, New York, NY 10018		Product AVANCID® GL 45M

Active Ingredient: **GLUTARALDEHYDE**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<u>PRODUCT CHEMISTRY:</u>					
830.1550	Product Identity and Composition	49475201	Special Materials Company	OWN	
830.1600	Description of Materials Used to Produce the Product	49475201	Special Materials Company	OWN	
830.1620	Description of Production Process	49475201	See Formulation Process	N/A	
830.1650	Description of Formulation Process	49475201	Special Materials Company	OWN	
830.1670	Discussion of Formation of Impurities	49475201	Special Materials Company	OWN	
830.1700	Preliminary Analysis (TGAI; EP if by integrated production process)	49475201	Special Materials Company	OWN	
830.1750	Certification of Limits	49475201	Special Materials Company	OWN	
830.1800	Analytical Methods to Verify Certified Limits	49475201	Special Materials Company	OWN	
830.1900	Submittal of Samples (EP, TGAI, PAI)	49475201	Special Materials Company	OWN	
830.6302	Color (EP and TGAI)	49475201	Special Materials Company	OWN	
830.6303	Physical State (EP and TGAI)	49475201	Special Materials Company	OWN	
830.6304	Odor (EP and TGAI)	49475201	Special Materials Company	OWN	
Signature 			Name and Title J. Michael Kelley Authorized Representative		Date September 16, 2015




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Active Ingredient: GLUTARALDEHYDE					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT CHEMISTRY (Cont.)					
830.6313	Stability to temperature, metals, and metal ions (TGAI)	49475201		N/A	
830.6314	Oxidizing or Reducing Action (EP)	49475201		N/A	
830.6315	Flammability (EP)	49475201		N/A	
830.6316	Explosibility (EP)	49475201		N/A	
830.6317	Storage Stability (EP)	41071401;41070301; 41070501;41168703	DOW (Formerly Union Carbide Corporation)	OLD	
830.6319	Miscibility (TGAI)	49475201		N/A	
830.6320	Corrosion Characteristics (EP)	41071401;41070301; 41070501;41168703	DOW (Formerly Union Carbide Corporation)	OLD	
830.6321	Dielectric Breakdown Voltage	44263601	DOW (Formerly Union Carbide Corporation)	OLD	
830.7000	pH (EP and TGAI)	49475201	Special Materials Company	OWN	
830.7050	UV / Visible Light Absorption (TGAI)	49475201		N/A	
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Active Ingredient: **GLUTARALDEHYDE**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT CHEMISTRY (Cont.)					
830.7100	Viscosity (MUP and EP)			PL	** EPA Glutaraldehyde RED
830.7200	Melting Point (TGAI)	49475201		N/A	
830.7220	Boiling Point (TGAI)			PL	** EPA Glutaraldehyde RED
830.7300	Density, Bulk Density or Specific Gravity (EP and TGAI)	49475201	Special Materials Company	OWN	
830.7370	Dissociation Constant (TGAI or PAI)	49475201		N/A	
830.7520	Particle Size, Fiber Length, and Diameter Distribution	49475201		N/A	
830.7550; 830.7560; 830.7570	Octanol-Water Partition Coefficient (PAI)	40833301; 44210101	DOW (Formerly Union Carbide Corporation)	OLD	
830.7840	Water Solubility: Column Elution Method; Shake Flask Method (TGAI)	43151401	DOW (Formerly Union Carbide Corporation)	OLD	
830.7950	Vapor Pressure (TGAI or PAI)			PL	** EPA Glutaraldehyde RED

**Physical Chemical Properties from Glutaraldehyde RED (2007) page 3 and 4 were from public literature or derived using EPIsuite.

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Active Ingredient: GLUTARALDEHYDE					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
TOXICITY:					
870.1100	Acute Oral Toxicity: Rat (EP and TGAI)	00164370	BASF Corporation	OLD	
870.1200	Acute Dermal Toxicity: Rat (EP and TGAI)	44691606	BASF Corporation	OLD	
870.1300	Acute Inhalation Toxicity: Rat (EP and TGAI)	164188; 164365	DOW (Formerly Union Carbide Corporation)	OLD	
870.2400	Primary Eye Irritation: Rabbit (EP)	117066	BASF	OLD	
870.2500	Primary Dermal Irritation (EP)	117063; 164460:	BASF; DOW (Formerly Union Carbide Corporation)	OLD	
870.2600	Dermal Sensitization (EP)	43330201	DOW (Formerly Union Carbide Corporation)	OLD	
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